

11-17-04

92/3743
JTW

PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	Div. of Ser. 09/903,302	
	Filing Date	07/10/2001	
	First Named Inventor	Mitchell, Matthew P.	
	Art Unit	3743	
	Examiner Name	Nihir Patel	
Total Number of Pages in This Submission	6	Attorney Docket Number	FOIL4A

ENCLOSURES (Check all that apply)			
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)	
<input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):	
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer		
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<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____		
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks Copies of papers (other than U.S. Patents) referenced in IDS are enclosed.		
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Pursuant to rule 98(d), the references listed on attached Forms SB/08(A&B) are not enclosed since these were supplied in the parent case, Ser. Nr. 09/903,302		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53			

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Matthew P. Mitchell
Signature	<i>Matthew P. Mitchell</i>
Date	2004 Nov 16

CERTIFICATE OF TRANSMISSION/MAILING

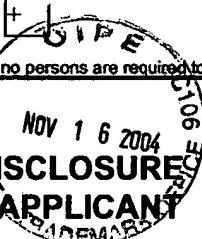
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Typed or printed name	Matthew P. Mitchell		
Signature	<i>Matthew P. Mitchell</i>		Date
			2004 Nov 16

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO-9 INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete If Known	
		Application Number	09/903,302
		Filing Date	10 Jul 2001
		First Named Inventor	Mitchell, Matthew P.
		Group Art Unit	3743
		Examiner Name	
		Attorney Docket Number	FOLIA
Sheet	1	of	2

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

2 of 2

Complete If Known

Application Number	09/903,302
Filing Date	10 Jul 2001
First Named Inventor	Mitchell, Matthew P.
Group Art Unit	3743
Examiner Name	
Attorney Docket Number	FOILA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

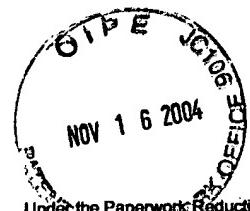
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		J. M. LEE, et al, "A REGENERATOR THAT WILL PERFORM AT MODERATELY HIGH FREQUENCY BELOW 10 KELVIN FOR USE IN A PULSE TUBE COOLER" Advances in Cryogenic Engineering, 2000, pp. 349 - 356, esp. p. 349, Vol. 45A, Kluwer Academic/Plenum Publishers, New York, USA.	
		HOFMANN et al, "PARALLEL FLOW REGENERATOR FOR PULSE TUBE COOLER APPLICATIONS", Advances in Cryogenic Engineering, 1998, pp. 1627 - 1633, Vol. 43B Kluwer Academic/Plenum Publishers, New York, USA.	
		J. N. CHAFE, et al. "NEODYMIUM-RIBBON-REGENERATOR COOLING PERFORMANCE IN A TWO-STAGE GIFFORD-MCMAHON REFRIGERATOR", Advances in Cryogenic Engineering, 1998, pp. 1589 - 1596, Vol. 43B Kluwer Academic/Plenum Publishers, New York, USA.	
		J. R. OLSON, et al., "Performance of a Two-Stage Pulse Tube Cryocooler for Space Applications", Cryocoolers 10, 1999, pp. 163 - 170, esp. pp. 167-168, Kluwer Academic/Plenum Publishers, New York, USA.	

Examiner Signature	Date Considered
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known	
Application Number	09/903,302
Filing Date	07-10-2001
First Named Inventor	Mitchell, Matthew P.
Art Unit	3743
Examiner Name	Patel, Nihir B.
Attorney Docket Number	FOIL4

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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Notice of References Cited

NOV 16 2004

Application/Control No.

09/903,302

Applicant(s)/Patent Under

Reexamination

MITCHELL, MATTHEW P.

Examiner

Nihir Patel

Art Unit

3743

Page 1 of 2

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-4,386,505	06-1983	Little, William A.	62/51.1
B	US-3,367,406	02-1968	GERBEN VONK; et. al.	165/10
C	US-4,449,573	05-1984	Pettersson et al.	165/10
D	US-4,200,441	04-1980	Honmann et al.	96/125
E	US-3,958,626	05-1976	Klein, Lee F.	165/8
F	US-2,701,130	02-1955	WILLIAM BOESTAD GUSTAV KARL	165/10
G	US-6,115,919	09-2000	Oswald et al.	29/890.039
H	US-5,797,449	08-1998	Oswald et al.	165/165
I	US-6,347,453	02-2002	Mitchell, Matthew P.	29/890.034
J	US-2001/0039801	11-2001	Bliesner et al.	60/517
K	US-6,745,822	06-2004	Mitchell, Matthew P.	165/10
L	US-6,732,785	05-2004	Mitchell, Matthew P.	165/79
M	US-6,131,644	10-2000	Kohara et al.	165/10

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
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NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)	
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

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Notice of References Cited

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MITCHELL, MATTHEW P.

Examiner

Nihir Patel

Art Unit

3743

Page 2 of 2

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-6,071,593	06-2000	Lang et al.	428/167
B	US-5,429,177	07-1995	Yaron et al.	165/10
C	US-4,934,453	06-1990	Ganz et al.	165/165
D	US-4,901,787	02-1990	Zornes, Bruce L.	165/4
E	US-4,615,378	10-1986	Mizuno et al.	165/10
F	US-6,585,034	07-2003	Oswald, James I	165/10
G	US-4,651,808	03-1987	Mizuno, Tomokimi	165/4
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
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*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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